

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Mammals			
Alameda Island mole	<i>Scapanus latimanus parvus</i>	FSC, SSC	No occurrences in CNDDDB. <i>S. latimanus</i> habitat is soft soil in valleys and mountain meadows in several biotic communities from the Lower Sonoran to the Hudsonian life zones.
*Berkeley kangaroo rat	<i>Dipodomys heermanni berkeleyensis</i>	FSC	Habitat is >50'. Found in Briones Valley and east Oakland. (PE-LS1992).
*Fringed myotis bat	<i>Myotis thysanodes</i>	FSC	Upper Sonoran life zones in open woods. Range is all along Pacific coast.
*Greater western (California) mastiff bat	<i>Eumops perotis californicus</i>	FSC	Alameda (Tracy - cliffs), San Benito, and Mariposa counties south in arid/semiarid lowlands.
*Long-eared myotis bat	<i>Myotis evotis</i>	FSC	Mostly in woods in Upper Sonoran, Transition, and Canadian life zones. Pacific coast range and Sierra Nevada.
*Long-legged (hairy-winged) myotis bat	<i>Myotis volans</i>	FSC	Open forest in upper Sonoran and Transition life zones.
*Pacific western big-eared bat	<i>Plecotus townsendii townsendii</i>	FSC, SSC	Oak woodland, pasture, grassy hillsides. Petaluma River, Marin. (PE-LS1992)
*Point Reyes jumping mouse	<i>Zapus trinotatus orarius</i>	FSC, SSC	No occurrences in CNDDDB. <i>Zapus trinotatus</i> found chiefly in meadows in the forests of redwood, fir, spruce, and hemlock. Range extends south from Washington to north of San Francisco Bay.
*Point Reyes mountain beaver	<i>Aplodontia rufa phaea</i>	FSC, SSC	Riparian stream habitat with dense vegetation - Drakes Bay & Double Point (Marin).
Riparian brush rabbit	<i>Sylvilagus bachmani riparius</i>	FPE, SE	Habitat is valley floor riparian and floodplain - only in San Joaquin and Stanislaus counties (Ripon Quad).
Salt marsh harvest mouse	<i>Reithrodontomys raviventris</i>	FE, SE	Tidal salicornia (salt and brackish marsh) habitat; 129 occurrences.
Salt marsh vagrant shrew	<i>Sorex vagrans halicoetes</i>	FSC, SSC	Tidal salt marsh (Redwood Point, Mountain View, San Quentin, Richmond).

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
*San Francisco dusky-footed woodrat	<i>Neotoma fuscipes annectens</i>	FSC, SSC	No occurrences in CNDDB. <i>N. fuscipes</i> range does not include San Francisco Bay area or Central Valley, according to Ingles.
*San Joaquin pocket mouse	<i>Perognathus inoratus</i>	FSC	Grassy or weedy fine-textured soil in the Lower and Upper Sonoran life zones of the San Joaquin and Salinas valleys.
San Joaquin kit fox	<i>Vulpes macrotis mutica</i>	FE, SE	Grazed grassland, agricultural land, valley/coastal mountain interface zone. Primarily northwest San Joaquin valley.
San Joaquin Valley (riparian) woodrat	<i>Neotoma fuscipes riparia</i>	FPE, SSC	Valley floor, riparian floodplain in San Joaquin (Corral Hollow Creek).
*Small-footed myotis bat	<i>Myotis ciliolabrum</i> (formerly <i>M. subulatus</i>)	FSC	Arid uplands.
Suisun ornate shrew	<i>Sorex ornatus sinuosus</i>	FSC, SSC	Grizzly Island, Mare Island, Napa, Benicia (PE-LS1987). <i>S. ornatus</i> habitat is streams and brush-covered hillsides.
*Yuma myotis bat	<i>Myotis yumanensis</i>	FSC	Chiefly open woods, suboreal zones throughout state.
Birds			
Alameda (South Bay) song sparrow	<i>Melospiza melodia pusilla</i>	FSC	Salt marsh habitat.
Aleutian Canada goose	<i>Branta canadensis leucopareia</i>	FT	Wetlands, grasslands, cultivated fields.
American peregrine falcon	<i>Falco peregrinus anatum</i>	FE, SE	High cliffs, banks, dunes, near water (Oakland airport).
Bald eagle	<i>Haliaeetus leucocephalus</i>	FT, SE	Coast, rivers, large lakes in open areas.
*Bell's sage sparrow	<i>Amphispiza belli belli</i>	FSC, SSC	Coast of California.
Black rail	<i>Laterallus jamaicensis</i>	FSC, ST	Salt, brackish, and freshwater marsh habitat. Pickleweed habitat.
California clapper rail	<i>Rallus longirostris obsoletus</i>	FE, SE	Salt and brackish marshes; fresh water marshes in southwest.
California least tern	<i>Sterna antillarum</i> (= <i>ablifrons</i>) <i>browni</i>	FE, SE	Salt marshes and salt ponds, open flat beaches, river and lake margins, near shallow water.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
California brown pelican	<i>Pelecanus occidentalis californicus</i>	FE, SE	Open coastal habitat.
*Ferruginous hawk	<i>Buteo regalis</i>	FSC, SSC	Open country, usually prairies, plains, badlands.
*Harlequin duck	<i>Histrionicus histrionicus</i>	FSC, SSC	Coastal islets, winters along North American coasts.
*Little willow flycatcher	<i>Empidonas traillii brewsteri</i>	FSC, SE	
*Marbled murrelet	<i>Brachyramphus marmoratus</i>	FT, SE	Conifer forests near coast, inland lakes, coastal waters, nests inland; feeds on crustaceans and fish.
*Mountain plover	<i>Charadrius montanus</i>	FSC, SSC	
*Northern spotted owl	<i>Strix occidentalis caurina</i>	FT	Old growth forest above 200 feet.
Salt marsh common yellowthroat	<i>Geothlypis trichas sinuosa</i>	FSC, SSC	Fresh, salt, and brackish water marshes.
San Pablo (Suisun) song sparrow	<i>Melospiza melodia samuelis</i>	FSC, SSC	Marsh habitat.
Swainson's hawk	<i>Buteo swainsoni</i>	FSC, ST	Migratory, wintering in Delta, rarely nesting.
Tricolored blackbird	<i>Agelaius tricolor</i>	FSC, SSC	Fresh water marshes, croplands, nest near/over water.
Western burrowing owl	<i>Athene cunicularia hypugea</i>	FSC, SSC	
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	FT, SSC	Sandy beaches on marine and estuarine shores.
White-faced ibis	<i>Plegadis chihi</i>	FSC, SSC	Marshes, swamps, ponds, rivers, mostly freshwater habitat.
Reptiles			
*Alameda whipsnake (striped racer)	<i>Masticophis lateralis euryxanthus</i>	FPE, ST	Oak woodlands, canyons, hillsides above 500 feet. East Oakland and Contra Costa County areas (Mt. Diablo/Las Trampas).
California horned lizard	<i>Phrynosoma coronatum frontale</i>	FSC, SSC	Grazed grassland in San Joaquin/Tracy area; 3 of 5 occurrences in San Joaquin delta area.
San Francisco garter snake	<i>Thamnophis sirtalis tetrataenia</i>	FE, SE	Mostly freshwater pond/reservoir habitat, treefrog diet, in hills of San Mateo County (CNDDDB). Also at low elevation near San Francisco Airport.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
*San Joaquin whipsnake	<i>Masticophis flagellum ruddocki</i>	FSC, SSC	Zero occurrences in CNDDB.
Giant garter snake	<i>Thamnophis gigas</i>	FT, ST	Ten of 94 occurrences in Delta area - Jersey and Liberty islands; occurs Fresno to Sacramento.
Green turtle	<i>Chelonia mydas</i>	FT	Rare visitor to Central California waters.
Leatherback turtle	<i>Dermochelys coriacea</i>	FE	Rare visitor to Central California waters.
Loggerhead turtle	<i>Caretta caretta</i>	FT	Rare visitor to Central California waters.
Northwestern pond turtle	<i>Clemmys marmorata marmorata</i>	FSC, SSC	Riparian creek-sides, floodplains, estuarine environments.
Olive (Pacific) Ridley sea turtle	<i>Lepidochelys olivacea</i>	FT	Rare visitor to Central California waters.
*Silvery legless lizard	<i>Anniella pulchra pulchra</i>	FSC, SSC	Zero occurrences in CNDDB.
*Southwestern pond turtle	<i>Clemmys marmorata pallida</i>	FSC, SSC	Oak woodland, riparian habitat all outside area (Southern California).
Amphibians			
California red-legged frog	<i>Rana aurora draytoni</i>	FT, SSC	Grazed grasslands, ponds.
California tiger salamander	<i>Ambystoma californiense</i>	FC, SSC	Stock ponds in annual grasslands of valley-foothill hardwood habitats. Sonoma, Petaluma River area.
*Foothill yellow-legged frog	<i>Rana boylei</i>	FSC, SSC	Mostly in foothills (Austin Creek, Russian River, Rohnert Park - Sonoma; and Saint Helena - Napa County).
*Northern red-legged frog	<i>Rana aurora aurora</i>	FSC, SSC	Bog habitat in redwood forest; all 19 occurrences in Humboldt area.
*Western spadefoot toad	<i>Sacphiopus hammondi</i>	FSC, SSC	Pond habitat.
Fish			
Coho salmon	<i>Oncorhynchus kisutch</i>	FT	Historically known from San Pablo Bay tributaries.
Delta smelt	<i>Hypomesus transpacificus</i>	FT, ST	
Green sturgeon	<i>Acipenser medirostris</i>	FSC, SSC	

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Kern Brook lamprey	<i>Lampetra hubbsi</i>	FSC, SSC	
Longfin smelt	<i>Spirinchus thaleichthys</i>	FSC, SSC	
Pacific lamprey	<i>Lampetra tridentata</i>	FSC	
River lamprey	<i>Lampetra ayresi</i>	FSC, SSC	
Sacramento splittail	<i>Pogonichthys macrolepidotus</i>	FPT, SSC	
Steelhead trout (coastal central California)	<i>Oncorhynchus mykiss</i>	FT	Includes all SF Bay steelhead except Central Valley (Sacramento, San Joaquin rivers) stocks.
Steelhead trout (Central Valley)	<i>Oncorhynchus mykiss</i>	FPE	Includes steelhead of Sacramento, San Joaquin rivers, still under review by NMFS.
Tidewater goby	<i>Eucyclogobius newberryi</i>	FE, SSC	
Spring-run chinook salmon	<i>Oncorhynchus tshawytscha</i>	FPE, SSC	
Fall/late fall-run chinook salmon	<i>Oncorhynchus tshawytscha</i>	FPT	
Winter-run chinook salmon	<i>Oncorhynchus tshawytscha</i>	FE, SE	
Invertebrates			
*Antioch cophuran robberfly	<i>Cophura hurdi</i>	FSC	One specimen known - Antioch dunes (LS-1939).
*Antioch Dunes anthicid beetle	<i>Anthicus antiochensis</i>	FSC	Antioch dunes preserve area. PE (LS-1953). No appropriate sites for rehandling or disposal facilities.
*Antioch efferian robberfly	<i>Efferia antiochi</i>	FSC	One specimen known - Antioch dunes (LS-1959).
*Antioch mutillid wasp	<i>Myrmosula pacifica</i>	FSC	One specimen known - Antioch dunes (LS-1952).
*Antioch sphecid wasp	<i>Philanthus nasalis</i>	FSC	Antioch dunes, Sacramento/San Joaquin Delta area. No appropriate sites for rehandling or disposal facilities.
*Bay checkerspot butterfly	<i>Euphydryas editha bayensis</i>	FT	Found on native grasslands, outcrops of serpentine soil - hillsides of San Mateo county and inland, east of Mount Diablo.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
*Bridges' coast range shoulderband snail	<i>Helminthoglypta nickliniana bridgesi</i>	FSC	Open hillsides with tall grass/weeds in Contra Costa and Alameda counties. Found at Marsh Creek Canyon near Mount Diablo
*Bumblebee scarab beetle	<i>Lichnanthe ursina</i>	FSC	Habitat is sand dunes along outer coast.
California freshwater shrimp	<i>Syncaris pacifica</i>	FE, SE	Fourteen occurrences - all in Napa, Sonoma, Marin counties.
*Callippe silverspot butterfly	<i>Speyeria callippe callippe</i>	FPE	Hillsides on San Bruno Mountain, >200 feet.
Ciervo aegialian scarab beetle	<i>Aegialia concinna</i>	FC1	Sandy substrates (one occurrence).
Conservancy fairy shrimp	<i>Branchinecta conservatio</i>	FE	Zero occurrences in CNDDB.
Curved-foot hygrotus diving beetle	<i>Hygrotus curvipes</i>	FSC	One occurrence in aquatic, shallow muddy pool at Oakley (east of Antioch).
Delta green ground beetle	<i>Elaphrus viridus</i>	FT	Grassland and vernal pool habitat. Two occurrences in Solano County (Dozier and Elmira Quads).
*Globose dune beetle	<i>Coelus globus</i>	FSC	Eight occurrences all in Southern California.
*Hurd's metapogon robberfly	<i>Metapogon hurdi</i>	FSC	Zero occurrences in CNDDB.
Lange's metalmark butterfly	<i>Apodemia mormo langei</i>	FE	Antioch sand dunes.
*Leech's skyline diving beetle	<i>Hydroporous leechi</i>	FSC	Zero occurrences in CNDDB.
*Longhorn fairy shrimp	<i>Branchinecta longiantenna</i>	FE	Freshwater pond habitat. Two of seven occurrences in Alameda & Contra Costa counties. Wind energy development threatens.
Marin elfin butterfly	<i>Incisalia mossii</i>	FSC	Not found in CNDDB.
Middlekauf's shieldback katydid	<i>Idiostatus middlekauf</i>	FSC	One occurrence in Antioch dunes.
*Mission blue butterfly	<i>Icaricia icariodes missionensis</i>	FE	Occur on slopes and hillsides in San Mateo and San Francisco counties.
*Molestan blister beetle	<i>Lytta molesta</i>	FSC	Two occurrences – one southwest of Modesto (Westley), other Sequoia National Park.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
*Molestan blister beetle	<i>Lytta molesta</i>	FSC	Seasonally found in Central Valley from Contra Costa to Kern counties; one of 11 occurrences in Brentwood.
Myrtle's silverspot butterfly	<i>Speyeria zerene myrtleae</i>	FE	Zero occurrences in CNDDB.
Opler's longhorn moth	<i>Adella oplerella</i>	FSC	Zero occurrences in CNDDB.
Ricksecker's water scavenger beetle	<i>Hydrochara ricksecke</i>	FSC	One of 4 occurrences in Jepson Prairie Preserve (not much known).
Sacramento anthicid beetle	<i>Anthicus sacramento</i>	FSC	Found in sand among dredge spoil.
*San Bruno elfin butterfly	<i>Incisalia mossii bayensis</i>	FE	Found on hillsides and ridgetops; San Mateo County: San Bruno Mountains, Whiting ridge.
San Francisco lacewing	<i>Nothochrysa californica</i>	FSC	Zero occurrences in CNDDB.
San Joaquin dune beetle	<i>Coelus gracilis</i>	FSC	One of 5 occurrences in Antioch Dunes (1974) - rest in Fresno and Kings canyon.
Sonoma arctic skipper	<i>Carterocephalus palaemon</i> ssp.	FSC	Zero occurrences in CNDDB.
*Valley elderberry longhorn beetle	<i>Desmocerus californicus dimorphus</i>	FT	Riparian habitat, mostly higher elevations. Of 124 occurrences, several in Yolo and San Joaquin counties.
*Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	FT	Vernal pool habitat - upland. Twelve occurrences - Madera to Sacramento counties
Vernal pool tadpole shrimp	<i>Lepidurus packardi</i>	FE	One of 4 occurrences at Kesterson, confluence of Salt Slough and San Joaquin River.
Plants			
Adobe lily	<i>Fritillaria pluriflora</i>	FSC	
*Adobe sanicle	<i>Sanicula maritima</i>	FSC, SR	Last seen in Potrero Hills, San Francisco (>250 feet) before 1900. Other 10 occurrences found from Monterey south.
Alkali milk-vetch	<i>Astragalus tener</i> var. <i>tener</i>	FSC	Found at elevations 0 to 50 feet in Union City, San Francisco, Napa, and Montezuma Wetlands site.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Antioch Dunes evening-primrose	<i>Oenothera deltoides</i> ssp. <i>howellii</i>	FE, SE	Grassy dune habitat. Found at Antioch Dunes and Jersey Island (8 occurrences).
*Baker's manzanita	<i>Arctostaphylos bakeri</i> ssp. <i>bakeri</i>	SR	Serpentine, chaparral habitat (Camp Meeker, Sonoma) (8 occurrences).
Baker's stickyseed (Sonoma sunshine)	<i>Blennosperma bakeri</i>	FE, SE	Vernal pools and swales. Excellent site near Sears Point (others southwest of Santa Rosa, Sebastapol).
*Beach layia	<i>Layia carnosa</i>	FE, SE	Point Reyes area >30 feet (PE). Other 22 occurrences found in Humboldt, Monterey and Drakes Bay.
*Brewer's dwarf-flax (western-flax)	<i>Hesperolinon breweri</i>	FSC	Chaparral, foothill grasslands, often rocky serpentine soil (near Antioch).
Brittlescale	<i>Atriplex depressa</i>	FSC	Riparian salt marsh habitat. Two of 41 occurrences in area, Dozier (Solano) and Montezuma Slough.
Burke's goldfields	<i>Lasthenia burkei</i>	FE, SE	Vernal pools, Sonoma County.
California sea blite	<i>Suaeda californica</i>	FE, SE	Salt flats and marsh habitat (upper littoral). Two of 10 occurrences: Yacht harbor-Palo Alto, west of Albany.
Caper-fruited tropidocarpum	<i>Tropidocarpum capparideum</i>	FSC	Two of 12 occurrences in delta (Clifton Court Forebay & Union Island).
Carquinez goldenbush	<i>Isocoma arguta</i>	FSC	Habitat is low benches adjacent to seasonal drainage (5 occurrences). Found in Montezuma Wetlands/Bird Island area.
*Coast lily	<i>Lilium maritimum</i>	FSC	All 48 occurrences on north coast (Mendocino, Sonoma counties).
Colusa grass	<i>Neostapfia colusana</i>	FT, SE	Alkaline saline playa, vernal pool habitat - several of 22 occurrences near Olcott Lake, Jepson Prairie Preserve & Davis area.
*Compact cobweb thistle	<i>Cirsium occidentale</i> var. <i>compactum</i>	FSC	Twelve occurrences all in San Luis Obispo area.
Contra Costa goldfields	<i>Lasthenia conjugens</i>	FE	Vernal pools in open grassy areas, seasonal wetlands habitat. Found at Grizzly Island, Solano County.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Contra Costa wallflower	<i>Erysimum capitatum</i> ssp. <i>angustatum</i>	FE, SE	Not in CNDDB.
*Crystal Springs lessingia	<i>Lessingia arachnoidea</i>	FSC	Zero occurrences in CNDDB.
*Delta coyote-thistle	<i>Eryngium racemosum</i>	FSC, SE	Delta area south of Stockton.
Delta tule-pea	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	FSC	Freshwater and brackish marshes, < 5 feet elevation. (Brannan Island, Fagan's Marsh, Edgerly Island, Coon Island, Napa [CW])
*Diablo rock-rose	<i>Helianthella castanea</i>	FSC	Upland forest, chaparral. Hillsides of Oakland, San Francisco, Mount Diablo (300-700 feet) (15 occurrences).
Diamond-petaled poppy	<i>Eschscholzia rhombipetala</i>	FSC	One occurrence of 6 in Antioch (rest San Luis Obispo area). Nothing of Antioch site known.
Ferris's milk-vetch	<i>Astragalus tener</i> var. <i>ferrisiae</i>	FSC	One of 10 occurrences in vernal meadow southeast of Dixon (rest Northern California).
*Fountain thistle	<i>Cirsium fontinale</i> var. <i>fontinale</i>	FE, SE	Crystal Springs Reservoir, San Mateo.
Fragrant fritillary	<i>Fritillaria liliacea</i>	FSC	Located >40 feet elevation in coastal prairie, open grassland, including Jepson Prairie Preserve. (Point Reyes, Pulgas Ridge, Potrero Hills [San Francisco], Mills College [Oakland]).
(?)Gairdner's yampah	<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	FSC	Zero occurrences in CNDDB.
Heartscale	<i>Atriplex cordulata</i>	FSC	Alkaline meadow at edge of marsh. Approximately 5 of 40 occurrences in area (Dozier, Solano). Most in south.
*Hickman's cinquefoil	<i>Potentilla hickmanii</i>	FPE, SE	Ocean bluff habitat (1 of 3 sites Half Moon Bay - rest Monterey).
Hispid bird's-beak	<i>Cordylanthus mollis</i> ssp. <i>hispidus</i>	FSC	Tidal zone of Suisun Marsh; also alkaline grassland and alkaline scrub from Central Valley to Southern California.
Hoover's button-celery	<i>Eryngium aristulatum</i> var. <i>hooveri</i>	FSC	Zero occurrences in CNDDB.
*Interior California larkspur	<i>Delphinium californicum</i> ssp. <i>interius</i>	FSC	Zero occurrences in CNDDB.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
*Kellogg's (wedge-leaved) horkelia	<i>Horkelia cuneata</i> ssp. <i>sericea</i>	FSC	Coniferous forests, coastal scrub.
*Large-flowered fiddleneck	<i>Amsinckia grandiflora</i>	FE, SE	Annual upland grassland. LLL and Black Diamond Mine are sites.
Legenere	<i>Legenere limosa</i>	FSC	Vernal pool 2.4 miles south of Napa Hospital, and east side of Highway 29 (Suscol Ridge) at around 40 feet elevation.
*Little mousetail	<i>Myosurus minimus</i> ssp. <i>apus</i>	FSC	All 17 occurrences Southern California.
*Marin checkermallow	<i>Sidalcea hickmanii</i> ssp. <i>viridis</i>	FSC	Zero occurrences in CNDDB.
*Marin dwarf-flax (western-flax)	<i>Hesperolinon congestum</i>	FT, ST	Grassy serpentine slopes of Marin, Petaluma River, Crystal Springs Road, San Mateo; Presidio, San Francisco; found at elevations >140 feet.
Marin bent-grass	<i>Agrostis balsdalei</i> var. <i>marinensis</i>	SR	
Marin knotweed	<i>Polygonum marinense</i>	FSC	Napa River, Cuttings Wharf.
Marsh sandwort	<i>Arenaria paludicola</i>	FE, SE	One occurrence at Presidio Swamp, Fort Point (San Francisco).
Mason's lilaeopsis	<i>Lilaeopsis masonii</i>	FSC, SR	Fresh, brackish, and salt water marsh vegetation in littoral zone with strong tidal influence. Mare Island is saltiest location, also found along Napa River (south of Rotto Landing).
*Mission Delores champion	<i>Silene verecunda</i> ssp. <i>verecunda</i>	FSC	Hillsides and dunes greater than 100 feet in elevation, San Francisco location.
*Montara manzanita	<i>Arctostaphylos montaraensis</i>	FSC	Coastal scrub (>100 feet), San Bruno Mountain and Montara Mountain.
*Most beautiful (uncommon) jewelflower	<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	FSC	Serpentine grasslands in Santa Rosa hills and Oakland hills (800 feet).
Mount Diablo bird's beak	<i>Cordylanthus nidularius</i>	FSC, SR	Not in CNDDB.
*Mount Diablo jewelflower	<i>Streptanthus hispidus</i>	FSC	Hillsides on Mount Diablo.
*Mount Diablo phacelia	<i>Phacelia phacelioides</i>	FSC	Rocky, serpentine slopes on Mount Diablo.
*Mount Tamalpais thistle	<i>Cirsium hydrophilum</i> var. <i>vasevi</i>	FSC	Hillsides of Mount Tamalpais.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Northcoast (Point Reyes) bird's-beak	<i>Cordylanthus maritimus</i> ssp. <i>palustris</i>	FSC	38 occurrences mostly Drakes Bay & north, also Alameda Marsh, Tiburon, Palo Alto.
*Northcoast semaphore grass	<i>Pleuropogon hooverianus</i>	FSC, SR	Grassy flats, under redwood trees, mostly north of area.
*Northern California black walnut	<i>Juglans californica</i> var. <i>hindsii</i>	FSC	Riparian forests, riparian woodlands.
*Pallid manzanita (Alameda manzanita)	<i>Arctostaphylos pallida</i>	FPT, SE	Oakland, Berkeley hills, >1,100 feet (LS-1991).
*Palmate-bracted bird's-beak	<i>Cordylanthus palmatus</i>	FE, SE	Alkali sink habitat from Fresno, south, to Woodland, north.
Papoose spikeweed (Congdon's tarplant)	<i>Hemizonia parryi</i> ssp. <i>congdonii</i>	FSC	Grasslands (<100m) (LS-1986). 1 of 24 occurrences - Benicia along I-680, rest in Santa Clara and south.
*Point Reyes horkelia	<i>Horkelia marinensis</i>	FSC	Located on Point Reyes peninsula (>40 feet).
*Presidio clarkia	<i>Clarkia franciscana</i>	FE, SE	Coastal scrub/grasslands in Presidio, San Francisco and Oakland hills (>75 feet in elevation).
*Presidio manzanita	<i>Arctostaphylos hookeri</i> ssp. <i>ravenii</i>	FE, SE	Serpentine slopes of South San Francisco and Presidio (PE, LS - 1989) (7 occurrences).
*Recurved larkspur	<i>Delphinium recurvatum</i>	FSC	Alkaline soils and swales. Two of 21 occurrences around Clifton Court Forebay, rest in Southern California.
Robust spineflower	<i>Chorizanthe robusta</i>	FE	Coastal dune/scrub (30-150 feet). Alameda, Colma (San Francisco).
*Rock sanicle	<i>Sanicula saxatilis</i>	FSC, SR	Talus slopes below chaparral, Mount Diablo and Lick Observatory.
*Sacramento Orcutt grass	<i>Orcuttia viscida</i>	FPE, SE	Vernal pool, grasslands. Eight occurrences mostly Buffalo Creek, Sacramento.
*San Bruno Mountain manzanita	<i>Arctostaphylos imbricata</i>	FSC	Brushy slopes of San Bruno Mountain (>700 feet) (4 occurrences).
*San Francisco gumplant	<i>Grindelia hirsutula</i> var. <i>maritima</i>	FSC	Cliffy coastal scrub plant community, open slopes in San Francisco (>100 feet) (15 occurrences).
*San Francisco lessingia	<i>Lessingia germanorum</i>	FPE, SE	Found at elevations >80 feet in Daly City and the Presidio area.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
San Francisco Bay spineflower	<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i>	FSC	Zero occurrences in CNDDB.
*San Francisco manzanita	<i>Arctostaphylos hookeri</i> ssp. <i>franciscana</i>	FSC	Serpentine slopes (>300 feet). Last seen 1942, Presidio Ave.
*San Francisco owl's clover	<i>Triphysaria floribunda</i>	FSC	Found at elevations >100 feet at Point Reyes National Seashore, San Bruno Mountain, Lake Merced, and the Presidio.
*San Francisco popcornflower	<i>Plagiobothrys diffusus</i>	FSC, SE	Found at elevations >200 feet in Presidio. Last seen - 1933.
*San Mateo thornmint	<i>Acanthomintha duttonii</i>	FE, SE	Found at Crystal Springs Reservoir.
San Mateo tree lupine	<i>Lupinus arboreus</i> var. <i>eximius</i>	FSC	Not in CNDDB.
*San Mateo woolly sunflower	<i>Eriophyllum latilobum</i>	FE, SE	Grassy hillsides in San Mateo between I-280 and Merner Road (2 occurrences).
*Santa Cruz microseris	<i>Microseris (Stebbinoseris) decipiens</i>	FSC	All 16 occurrences in Santa Cruz County.
*Santa Cruz tarweed	<i>Holocarpha macradenia</i>	FC, SE	Uplands: coastal, prairie, foothill, grassland. Most 39 occurrences in Santa Cruz County.
Sebastopol meadow foam	<i>Limnanthes vinculaus</i>	FE, SE	Vernal pools, Sonoma County.
Showy Indian clover	<i>Trifolium amoenum</i>	FPE	Found at elevations 20-65 feet, Napa Junction and Buchli Station Road (LS-1952).
*Slough thistle	<i>Cirsium crassicaule</i>	FSC	Two sites near San Joaquin River (rest of 17 occurrences in Kern County).
Soft bird's beak	<i>Cordylanthus mollis</i> ssp. <i>mollis</i>	FE, SR	Coastal salt marsh habitat. Point Pinole Regional Shoreline (Contra Costa County), Jersey Island, Grizzly Island.
*Sonoma ceanothus	<i>Ceanothus sonomensis</i>	FSC	Southwest-facing slopes in Sonoma (15 occurrences).
*Sonoma spineflower	<i>Chorizanthe valida</i>	FE, SE	Present at Point Reyes National Seashore >40 feet.
*South Bay clarkia	<i>Clarkia concinna</i> ssp. <i>automixa</i>	FSC	Zero occurrences in CNDDB.

TABLE F-4
Species of Concern

<i>Common Name</i>	<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Suisun Marsh aster	<i>Aster lentus</i>	FSC	Nearshore marsh vegetation, grows along bank or shore in tidally influenced coastal and valley freshwater marshes. Northeast of Fagan Slough, Jersey Island.
Suisun thistle	<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	FE	Dense salt marsh vegetation, Grizzly Island.
*Tamalpais lessingia	<i>Lessingia micradenia</i> var. <i>micradenia</i>	FSC	Zero occurrences in CNDDB.
*Tamalpais manzanita	<i>Arctostaphylos hookeri</i> ssp. <i>montana</i>	FSC	Serpentine slopes of Mount Tamalpais.
*Tamalpais streptanthus	<i>Streptanthus batrachopus</i>	FSC	Hillsides, ridges of Mount Tamalpais.
*Tiburon jewelflower	<i>Streptanthus niger</i>	FE, SE	Serpentine outcrops, cliffs, grasslands along Tiburon ridge.
Tiburon mariposa lily	<i>Calochortus tiburonensis</i>	FT, ST	Serpentine grassland habitat - one occurrence.
Tiburon paintbrush	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	FE, ST	Serpentine grassland habitat. Six occurrences from Napa (American Canyon) to Tiburon.
Tiburon tarweed	<i>Hemizonia multicaulis</i> ssp. <i>vernalis</i>	FSC	Not in CNDDB.
*Two-carpeled dwarf-flax	<i>Hesperolinon bicarpellatum</i>	FSC	Zero occurrences in CNDDB.
*Valley sagittaria (Sanford's arrowhead)	<i>Sagittaria sanfordii</i>	FSC	Vernal marsh and muddy slough habitat (south and north of Central Valley - too far east of area).
Valley spearscale (San Joaquin saltbush)	<i>Atriplex joaquiniana</i>	FSC	Coastal prairie, alkaline-saline flat (Montezuma area). Also northeast of Slaughterhouse Point, Napa River.
*White-rayed pentachaeta	<i>Pentachaeta bellidiflora</i>	FE, SE	Grassy slopes in Marin, Greenbrae, and Larkspur and east edge of San Bruno Mountain.

TABLE F-4
Species of Concern

<i>Common Name</i>		<i>Scientific Name</i>	<i>Status</i>	<i>Comments</i>
Key:	*	Indicates species not in the LTMS Planning Area.		
	FE:	Federally listed Endangered	ST:	State-listed Threatened
	FT:	Federally listed Threatened	SR:	State-listed Rare
	FC:	Federal Candidate	SSC:	State-listed Species of Special Concern
	FPE:	Federally proposed for listing as Endangered	PE:	Presumed Extinct
	FPT:	Federally proposed for listing as Threatened	CNDDDB:	California Natural Diversity Database
	SE:	State-listed Endangered	LS 1992:	Last seen 1992